

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method for producing a lighting apparatus (10, 110, 210) with a polygonal luminous area, particularly a backlighting apparatus for a display, comprising
~~characterized in that~~
putting together the luminous area ~~is put together~~ in modular fashion from a plurality of individual polygonal luminous modules (1).
2. (Currently amended) The method for producing a lighting apparatus as claimed in claim 1,
~~characterized in that~~ wherein
the luminous area is rectangular and is put together in modular fashion from a plurality of individual rectangular luminous modules (1).
3. (Currently amended) The method as claimed in claim 1 ~~or 2~~,
~~characterized in that~~ wherein
the luminous modules (1) are selected from a basic set of different-sized luminous modules.
4. (Currently amended) The method as claimed in ~~one of claims 1 to 3~~ claim 1,
~~characterized in that~~ wherein
at least some of the plurality of luminous modules (1) have a light input part (3) with light emitting diodes (LEDs) (2).

5. (Currently amended) The method as claimed in ~~one of claims 2 to 4~~ claim 2,
~~characterized in that~~ wherein

the basic set comprises:

a first luminous module of a first size, a second luminous module of a second size,
a third luminous module, whose length corresponds to the length of the first
luminous module (11) and whose width corresponds to the width of the second
luminous module (21), and a fourth luminous module, whose length corresponds to
the width of the first luminous module (11) and whose width corresponds to the
length of the second luminous module (21).

6. (Currently amended) The method as claimed in ~~one of claims 2 to 5~~ claim 2,
~~characterized in that~~ wherein

the basic set of luminous modules comprises four different-sized luminous
modules (11, 21, 31, 41), ~~where~~ wherein

the length of the diagonal of a first luminous module (11) is an integer
multiple of 1 inch and the ratio of length to width of the luminous module is
preferably 4:3,

the length of the diagonal of a second luminous module (21), which is
smaller than the first luminous module, is an integer multiple of 1 inch and the
ratio of length to width of the luminous module is preferably 4:3,

the length of a third luminous module (31) corresponds to the length of the
first luminous module (11) and the width of the third luminous module (31)
corresponds to the width of the second luminous module (21), and

the length of a fourth luminous module (41) corresponds to the width of the first luminous module (11) and the width of the fourth luminous module (41) corresponds to the length of the second luminous module (21).

7. (Currently amended) The method as claimed in claim 6,

~~characterized in that~~ wherein

the length of the diagonal of the first luminous module (11) is 7 inches and the length of the diagonal of the second luminous module (21) is 5 inches.

8. (Currently amended) The method as claimed in ~~one of claims 1 to 7~~ claim 1,

~~characterized in that~~ wherein

all of the luminous modules (1) have a light input part (3) with light emitting diodes (LEDs) (2).

9. (Currently amended) The method as claimed in ~~one of claims 1 to 8~~ claim 1,

~~characterized in that~~ wherein

external areas of the luminous modules which are not a light exit area (6) or a light entry area (16) are at least partly provided with a reflective coating (13).

10. (Currently amended) The method as claimed in ~~one of claims 1 to 9~~ claim 1,

~~characterized in that~~ wherein

a luminous body (9) of the luminous module (1) is provided whose cross section tapers as the distance from the light input part (3) increases.

11. (Currently amended) The method as claimed in ~~one of claims 1 to 10~~ claim 1,

~~characterized in that~~ wherein

the thickness of the luminous body next to the light input part (3) is greater than

the thickness of the light input part, and a step (4) between the light input part and the light exit area is in a form such that the luminous modules (1) overlap, when put together to form a luminous area, such that the light input part (3) is covered by an adjacent luminous module.

12. (Currently amended) The method as claimed in ~~one of claims 1 to 11~~ claim 1, ~~characterized in that~~ wherein

a base area (7) opposite the light exit area has a reflective structure which directs light emitted by the LEDs during operation into the region of the step.

13. (Currently amended) A lighting apparatus (10, 110, 210) with a polygonal luminous area, particularly a backlighting apparatus for a display, wherein ~~characterized in that~~

the luminous area ~~is made up in modular fashion from~~ comprises:

a plurality of individual polygonal luminous modules (1) arranged in modular fashion.

14. (Currently amended) The lighting apparatus as claimed in claim 13, ~~characterized in that~~ wherein

the luminous area is rectangular and is made up of individual rectangular luminous modules (1).

15. (Currently amended) The lighting apparatus as claimed in claim 13 ~~or 14~~, ~~characterized in that~~ wherein

the luminous modules (1) are selected from a basic set of different-sized luminous modules (11, 21, 31, 41).

16. (Currently amended) The lighting apparatus as claimed in ~~one of claims 13 to 15~~ claim 13,

~~characterized in that~~ wherein

at least some of the plurality of luminous modules (1) have a light input part (3) with light emitting diodes (LEDs) (2).

17. (Currently amended) The lighting apparatus as claimed in ~~one of claims 14 to 16~~ claim 14,

~~characterized in that~~ wherein

the basic set comprises:

a first luminous module of a first size, a second luminous module of a second size, a third luminous module, whose length corresponds to the length of the first luminous module (11) and whose width corresponds to the width of the second luminous module (21), and a fourth luminous module, whose length corresponds to the width of the first luminous module (11) and whose width corresponds to the length of the second luminous module (21).

18. (Currently amended) The lighting apparatus as claimed in ~~one of claims 14 to 17~~ claim 14,

~~characterized in that~~ wherein

the basic set of luminous modules comprises four different-sized luminous modules (11, 21, 31, 41), ~~where~~ wherein

the length of the diagonal of a first luminous module (11) is an integer multiple of 1 inch and the ratio of length to width of the luminous module is preferably 4:3,

the length of the diagonal of a second luminous module (21), which is smaller than the first luminous module, is an integer multiple of 1 inch and the ratio of length to width of the luminous module is preferably 4:3,

the length of a third luminous module (31) corresponds to the length of the first luminous module (11) and the width of the third luminous module (31) corresponds to the width of the second luminous module (21), and

the length of a fourth luminous module (41) corresponds to the width of the first luminous module (11) and the width of the fourth luminous module (41) corresponds to the length of the second luminous module (21).

19. (Currently amended) The lighting apparatus as claimed in claim 18,
~~characterized in that~~ wherein

the length of the diagonal of the first luminous module (11) is 7 inches and the length of the diagonal of the second luminous module (21) is 5 inches.

20. (Currently amended) The lighting apparatus as claimed in ~~one of claims 13 to 19~~ claim 13,

~~characterized in that~~ wherein

all of the luminous modules (1) have a light input part with light emitting diodes (LEDs) (2).

21. (Currently amended) The lighting apparatus as claimed in ~~one of claims 13 to 20~~ claim 13,

~~characterized in that~~ wherein

external areas of the luminous modules which are not a light exit area (6) or a light entry area (16) are at least partly provided with a reflective coating (13).

22. (Currently amended) The lighting apparatus as claimed in ~~one of claims 13 to 21~~ claim 13,

~~characterized in that~~ wherein

a luminous body (9) of the luminous module (1) is provided whose cross section tapers as the distance from the light input part increases.

23. (Currently amended) The lighting apparatus as claimed in ~~one of claims 13 to 22~~ claim 13,

~~characterized in that~~ wherein

the thickness of the luminous body next to the light input part (3) is greater than the thickness of the light input part, with a step (4) being in a form such that the luminous modules (1) overlap, when put together to form a luminous area, such that the light input part (3) is covered by the adjacent luminous module.

24. (Currently amended) The lighting apparatus as claimed in ~~one of claims 13 to 23~~ claim 13,

~~characterized in that~~ wherein

a base area (7) opposite the light exit area has a reflective structure which directs light emitted by the LEDs during operation into the region of the step.